

Title (en)
MULTI-AXIS ROBOT POWER SHUT-OFF DEVICE AND MULTI-AXIS ROBOT

Title (de)
STROMABSCHALTVORRICHTUNG FÜR EINEN MEHRACHSIGEN ROBOTER UND MEHRACHSIGER ROBOTER

Title (fr)
DISPOSITIF D'ARRÊT D'ALIMENTATION DE ROBOT MULTI-AXES ET ROBOT MULTI-AXES

Publication
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Application
EP 14849938 A 20140910

Priority
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• JP 2014004664 W 20140910

Abstract (en)
[origin: EP3050683A1] Included are: a plurality of motors (M1 to M6), which drive a plurality of axes of a multi-axis robot, respectively; a plurality of power converters (11), which control operation of the plurality of motors, respectively, by supplying and controlling electric power to the plurality of motors; drive circuits (12), each of which drives first semiconductor switching elements included in a corresponding one of the power converters (11) by outputting drive signals to control terminals of the first semiconductor switching elements in accordance with control signals for controlling the operation of the motors; a shut-off circuit (14a) provided at a non-end position in an electrical path (L1), through which first operating power is supplied to the drive circuits (12); and a shut-off control circuit (15), which outputs shut-off signals to the shut-off circuit. The shut-off circuit (14a) includes second semiconductor switching elements (Tr1, Tr2), which are inserted in an electrical path in series to each other, the second semiconductor switching elements turning off in accordance with the shut-off signals, respectively, to shut off the electrical path.

IPC 8 full level
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CPC (source: EP US)
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